ENT BOOK

Dimensions h	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	IT -	88720		
	KST	177440		
	FST	288340		
	Lwc	44360		
	CSP	4436		
	Roy	65415		
	Total	668711 = 00		

Final bill
Recorded on:- SBR No: 82/16-17
28-09-2016

M.A.R. 57 (Rule 116)

Measurement Book No. A/11

Work Code:- 006-16-000002
LOA:- EE/BTP/BBMP/E-PMT/LOA/T-03/2016-17
Date:- 21/04/2016

Work order No:- EE/BTP/BBMP/E-PMT/05/2016-2017 Date:- 26/04/2016

Serial No.....194832

Name of work..Construction of Culverts Thanisandra Surrounding Area in ward No-06, Byatarayanapura Sub Division.....

Name of Contractor or nature of Agency..B. Narayana Swamy No-43, 8th Cross, Vijaya Bank Colony, Bohavanagudi Bangalore-43.

Date of commencement of work.....Est Cost:- 10 Lakhs

Date 1	Full description, etc. of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	BR-5 33 88 3740						
	(1) KSRB 2-2-1: Earth work excavation for foundation of buildings, Culverts water Supply, Sanitary line and electrical Conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5mm in depth including the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50mm, after breaking of clods Complete as per Specifications.						
	Quantity vide AR per pre-measurement are recorded in this and Page No of:- 194843:-					101.56 m³	
	10% 56 Limit				@ Rs. 263.94	26805.74	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) KSRB - 4-1.3: Providing and laying in position plain cement concrete of mix 1:7.5 (1:4:8) with OPC Cement at 180 Kgs. with 40mm and down size graded granite metal Coarse aggregates @0.892 Cum and fine aggregates @0.57 Cum machine mixed, Concrete laid in layers not exceeding 150mm thick well Compacted in foundation and plinth, including Cost of all materials, labour Hire of machinery. Curing Complete as per Specifications.						
	Quantity vide. As per pre-measurement are recorded in this MB and Page No of: - 19.48844: - 14.51 m3 Ext. 17.75 Limit C.R.S. 4834.92 To 154.69						
	(3) KSRB 5.2.3 Providing and Constructing granite/trap/ basalt size stone masonry in foundation with cement						

M.A.

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numbe
1	2	3
	mortar 1:6, Stone ha... 20 Cms high. bond St... including Cost of m... Specifications. Thanisandra village Near Jaigopal Grouda House: 1 x 2 Annam Endave: 1 x 2 1 x 2 1 x 2	

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
			and laying in position plain Cement	
			5 (1:4:8) with ope Cement at 180	
			down Size graded granite metal	
			92 cum and fine aggregate @ 0.5	
			ed, Concrete laid in layers not	
			well Compacted in foundation	
			g Cost of all materials, labour	
			uring Complete as per Specifications.	
			pre-measurement are recorded	
			age no of: - 194844: - 14.51 on 3	
			17.75 limit C.R.B. 4834.92 To 154.69	
			and Constructing granite/trap/	
			ssary in foundation with Cement	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 194833

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	mortar 1:6, Stone hammered dressed in Courses not less than 20 Cms high. bond Stones at two mm. apart in each Course including Cost of materials, labour, Curing Complete as per Specifications.						
	Thanishaandra village Near Jogigopal Gowda House: -	1	7.10	0.60	0.45	3.83	
	Araam Endare: -						
	6th Cross: -	1	5.40	0.60	0.45	2.75	
	6th Cross: -	1	5.10	0.60	0.45	2.75	
	3rd main: -	1	7.40	0.60	0.45	3.99	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	maruthi Sawmill Road:-						
	8th Cross	1 X 2	6.50	0.60	0.45	3.51	
	9th Cross	1 X 2	6.70	0.60	0.45	3.61	
	10th Cross	1 X 2	6.40	0.60	0.45	3.45	
	11th Cross	1 X 2	6.50	0.60	0.45	3.51	
						27.43 m³	
	Limited to schedule 'B' qty:-					26.78 m³	
	@ Rs. 3826.57						102475.54
	(4) KSRB 5.3-3 Providing and Constructing granite/ trap/ basalt size stone masonry in basement with Cement mortar 1:6, edges of stones chisseled dressed in courses not less than 15 cms high, bond stones at two mts. apart in each course including cost of mate						

Checked

M.A.R. 5

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Serial No.....

Name of work.....From..

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Le
1	2	3	
	-rials. labours, curing		
	Thanisandra village:-		
	Near Jayagopal Gowda house	1 X 2	7.1
	ANNAM ENCLAVE:-		
	6th Cross:	1 X 2	5.1
	6th Cross:	1 X 2	5.1
	3rd main:	1 X 2	7.1
	maruthi Sawmill Road:-		
	8th Cross:	1 X 2	6.5

EASUREMENT BOOK

Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Road:-					
1X2	6.50	0.60	0.45	3.51	
1X2	6.70	0.60	0.45	3.61	
1X2	6.40	0.60	0.45	3.45	
1X2	6.50	0.60	0.45	3.51	
				27.43 m³	
Limited to Schedule 'B' Qty:-				26.78 m³	102475.5
				@ Rs. 3826.57	
oviding and Constructing granite/					
e stone masonry in basement with					
or 1:6, edges of stones chisselled					
less than 15 cms rich, bond stones a					
each Course including Cost of mate					

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 194834

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	-rials, labours, curing Complete as per Specifications.						
	Thanisandra village:-						
	Near Jaigopal Gowda house:-	1X2	7.10	0.50	0.45	3.19	
	ANNAM EXCAVE:-						
	6th Cross:-	1X2	5.10	0.50	0.45	2.29	
	6th Cross:-	1X2	5.10	0.50	0.45	2.29	
	3rd main:-	1X2	7.40	0.50	0.45	3.33	
	maruthi Saw mill Road:-						
	8th Cross:-	1X2	6.50	0.50	0.45	2.92	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	9th Floor	1×2	6.70	0.50	0.45	3.01	
	10th Floor	1×2	6.40	0.50	0.45	2.88	
	11th Floor	1×2	6.50	0.50	0.45	2.92	
						22.86 m³	
	Limited to schedule item :-					22.32 m³	
						@Rs. 4531.12	101134.59
(5)	KSRB 4-6.7 : Providing and removing Centering. Shuttering. Struting, propping etc. and removal of formwork for sides and soffits of beams, beam haunchings, Cantilever girders, breastsummers and lintels not exceeding 1 mtr in depth including cost of all materials, labour Complete as per Specifications.						
	Quantity vide, As per pre-measurement ore recorded in this unit and page no of :- 194845 :-					58.65 m²	
	Quantity 59.88 Limit					@Rs. 259.63	15227.29

M.A.R.

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Serial No.....

Name of work.....Fro

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
(6)	KSRB 4-1.7 : Providing and Concrete of mix 1:3:6 mm and down Size gates @0.84 cum and mixed, Concrete, 15cms thick, well Compa cluding cost of all ma ry, curing Complete as p	
	Coping Concrete :-	1×2
		1×2

MENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
fo	0.50	0.45	3.01	
40	0.50	0.45	2.88	
50	0.50	0.45	2.92	
			22.86 m³	
schedule it ate :-			22.32 m³	
			@Rs. 4531.12	101134.59
nd removing Centering.				
ping etc-and removal of				
od soffits of beams, beam				
ders, breastwalls and lintels				
epth including Cost of all				
te as per Specifications.				
- measurements are recorded				
o of:- 194845 :-			58.65 m²	15227.29
-88 Limit			@Rs. 259.63	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 194835

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(6) KSRB 4-1.7: Providing and laying in position plain Cement Concrete of mix 1:3:6 with opc Cement @ 220 Kgs. with 20 mm and down size graded granite metal Coarse aggregates @0.84 cum and fine aggregates @0.56 cum machine mixed Concrete. Concrete laid in layers not exceeding 15cms thick well Compacted in foundation and plinth including Cost of all materials, labour, 140m of machine -ry, Curing Complete as per Specifications.						
	Coping Concrete :-	1	2	7.10	0.50	0.10	0.71
		1	2	5.1024	0.50	0.10	0.51

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1X2	5.10	0.50	0.10	0.51	
		1X2	7.40	0.50	0.10	0.74	
		1X2	6.50	0.50	0.10	0.65	
		1X2	6.70	0.50	0.10	0.67	
		1X2	6.40	0.50	0.10	0.64	
		1X2	6.50	0.50	0.10	0.65	
	Vent Portion Concrete:-						
		1X1	7.10	0.60	0.10	0.42	
		1X1	5.10	0.60	0.10	0.30	
		1X1	5.10	0.60	0.10	0.30	
		1X1	7.40	0.60	0.10	0.44	
		1X1	6.50	0.60	0.10	0.39	
		1X1	6.70	0.60	0.10	0.40	

M.A.R.

Meas

Serial No.....

Name of work.....Fro

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
		1X1
		1X1

Limited

(5) KSRB 15.1.3 : Providing
-ny with Cement mo
Joints to depth of 200
materials, labour, Cu

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	5.10	1.65	0.23	1.93	
		1	5.10	1.65	0.23	1.93	
		1	7.40	1.65	0.23	2.80	
		1	6.50	1.65	0.23	2.46	
		1	6.70	1.65	0.23	2.54	
		1	6.40	1.65	0.23	2.42	
		1	6.50	1.65	0.23	2.46	
						19.30 m³	
		limited to schedule B qty:- 18.80 m³ @ Rs. 6050.12					113863.25

⑨ KSRB 4.9.2 Providing TMT steel reinforcement for R.C.C works including straightening, cutting bending, hooking placing in position, lapping

Serial No.....

Name of work.....

Name of Contractor of nature of Agency...

Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	and/or welding w wire and anchor -ver necessary Comp -ions of the engine	
	Quantity vide. recorded in this	
⑩	Pre cast slab	

ENT BOOK

imensions			Contents	Reference to last Measurement
h	Breadth 5	Depth 6	7	8
	1.65	0.23	1.93	
	1.65	0.23	1.93	
	1.65	0.23	2.80	
	1.65	0.23	2.46	
	1.65	0.23	2.54	
	1.65	0.23	2.42	
	1.65	0.23	2.46	
			19.30 m³	
Schedule B Qty:- 18.87 m³			113863.25	
@ Rs. 6050.19				
...nt steel reinforcement				
...straightening, cutting				
...ng in position, lapping				

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 194838

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and/or welding wherever required, tying with binding wire and anchoring to the adjoining members where -ver necessary Complete as per design specifications & direct -ions of the engineer in charge of the work.						
	Quantity vide. As per pre-measurement are recorded in this MB & vide pages no:- 194846-47						
	Quantity is limited to →					= 1.13 Tonnes	
						@ Rs. 78155.96	88316.23
(10)	Pre cast slab sunk and down size for slab (including						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Steel reinforcement) including Centering and Shuttering machine mixed Concrete laid in layers not exceeding 15Cms thick well Compacted Cost of all materials labour Hire of machinery Curing Complete as per Specifications. CC 1:1.5:3 including all Cost of material (Data Rate enclosed) 10 Cms thick Rcc pre cast slabs as per Specifications.						
	Thanisandra SVN School Road:-						
	M	92	1.50	0.60	-	82.80	
	Kavipalya Govt School backside:-						
	M	89	0.90	0.60	-	48.06	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency....

Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	Thanisandra Sup	
		17
	Limited	
(11)	Lead for disposal of materials by mechanical loading from 0.00	

BOOK

s		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
ding centering and Concrete laid in Thick well Compacted ur Hom of machinery. tion. CC 1:1.5:3 includ Data Rate enclosed) lete as per Specifi			
d:-			
	-	82.80	
	-	48.06	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 194839

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Thanisandra Surrounding Area:-						
		175	0.90	0.60	-	94.50	
						225.36 m²	
	Limited to Schedule 'B' Qty:-					224.10 m²	415034
						@ R.S. 1852.03	415039.92
	(11) Lead for disposal of debries shall be payable at Carriage rates by mechanical means including loading & un loading. from 0.00 to 2.00 Km as per specifications.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
1)		Quantity vide item no: ① :- 101.56 m³ @ Rs. 67.15					G819.75
2)		Total bill Amount Rs: 986250=00					R-986258

CERTIFICATE:-

① Certified that the above work done is Satisfactorily Completed.

② Certified that the Agency has cleared the debries from the work Spot.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
AE 28/7/2016

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ-24

BR No: 533/29-9-

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.

Date of commencement of work.....

Date	Full description, etc, of work
1	2

P: 1771.

Audited & Admitted to R

911165 = 00 -

and Rs 750.93 -

Accts Supdt.
Byatarayanapura Dn. Syst
BBMP

ENT BOOK

mensions			Contents	Reference to last Measurement
n	Breadth 5	Depth 6	7	8
			de item no: ①: -101.56 m³ @ Rs. 67.15	6819.75
			al bill Amount Rs: 986250-00 Rs: 986258	
			works done is Satisfactorily	
			ency has cleared the debries	
			M/s. ...	

BR No: 533/29-9-16.

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11 194840

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	P: 1771. PON		1854.			Total Rs: 986258-00	
	Audited & Admitted to Rs 986258/-					ST- 9863-00	
	911165=00 by Cheque					VAT- 39450-00	
	and Rs 75093-00 by Adjustment					Cess- 10000-00	
	Accts Suprdt. Asst. Engineer					CBF- 986-00	
	Byatarayanapura Dn. Byatarayanapura Dn.					LR - 14794-00	
	BBMP BBMP.					Adj- 75093-00	
						Cash: 911165-00	